

Y-Distributor M12 male / M12 female 0° A-cod.

PVC 3x0.34 gy UL/CSA 3m

Art.No.: 7000-40701-2130300

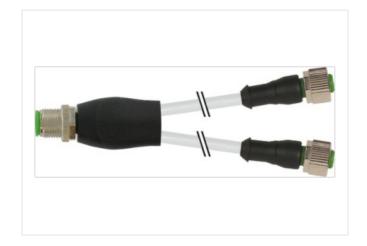
Weight: 0.25

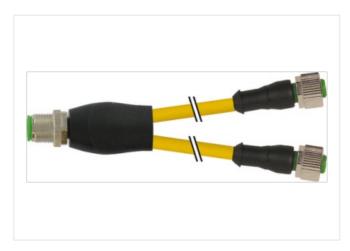
Country of origin: CZ

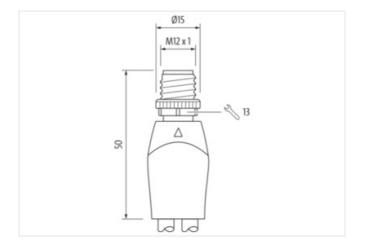
Model designation: MSAYTL0-BR213_3.0-BR213_3.0

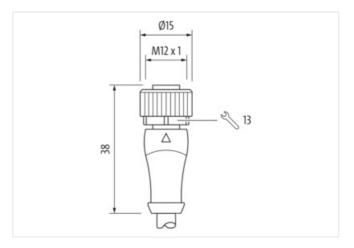
Link to Product

Illustration



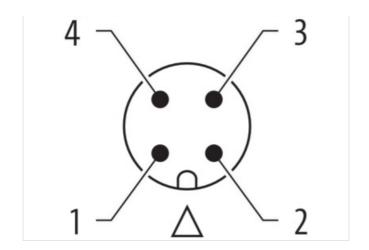


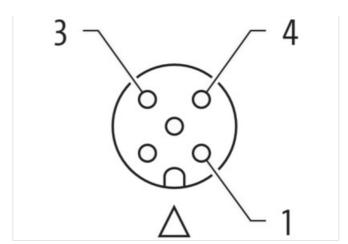


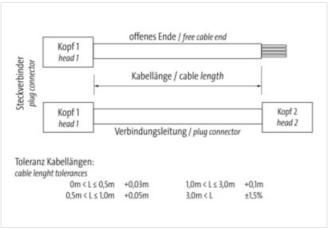


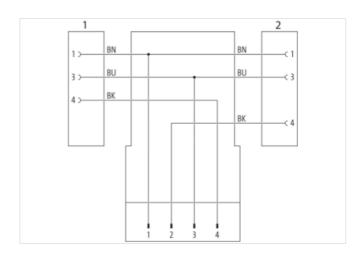


stay connected









Product may differ from Image















Side 1	
Family construction form	M12
No. of poles	3
Coding	A
Gender	female
Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.6 Nm
Width across flats	SW13
Cable outlet	straight
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
Side 2	
Family construction form	M12
No. of poles	3



stay connected

Coding	A
Gender	female
Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.6 Nm
Width across flats	SW13
Cable outlet	straight
	10 mm
suitable for corrugated tube (internal Ø) Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529) Side 3	IP67, IP66K, IP65
Family construction form	M12
No. of poles	4
Coding	A
Gender	male
Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.6 Nm
Width across flats	SW13
Cable outlet	straight
Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
	IDOT IDOOL IDOS
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
Degree of protection (EN IEC 60529) Commercial data	IP67, IP66K, IP65
Commercial data	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810
Commercial data URL Webshop	https://shop.murrelektronik.com/7000-40701-2130300
Commercial data URL Webshop GTIN	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810
Commercial data URL Webshop GTIN ECLASS-6.0	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0 ECLASS-8.1	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218 27279218
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0 ECLASS-8.1 ECLASS-9.0	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0 ECLASS-8.1 ECLASS-9.0 ECLASS-9.1	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27279218
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0 ECLASS-8.0 ECLASS-9.0 ECLASS-9.1 ECLASS-9.1	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27279218
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0 ECLASS-8.1 ECLASS-9.0 ECLASS-9.1 ECLASS-10.0.1	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27060313 27060313 27060313
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0 ECLASS-8.1 ECLASS-9.0 ECLASS-9.1 ECLASS-10.0.1 ECLASS-10.1 ECLASS-11.0	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27060313 27060313 27060313 27060313
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0 ECLASS-8.1 ECLASS-9.0 ECLASS-9.1 ECLASS-10.0.1 ECLASS-11.0 ECLASS-11.1	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27060313 27060313 27060313 27060313 27060313
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0 ECLASS-8.1 ECLASS-9.0 ECLASS-9.1 ECLASS-10.0.1 ECLASS-11.0 ECLASS-11.0 ECLASS-11.1 ECLASS-12.0	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27060313 27060313 27060313 27060313 27060313 27060313
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0 ECLASS-8.1 ECLASS-9.0 ECLASS-9.0 ECLASS-10.0.1 ECLASS-11.0 ECLASS-11.0 ECLASS-11.1 ECLASS-12.0 ECLASS-13.0	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27060313 27060313 27060313 27060313 27060313
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0 ECLASS-8.1 ECLASS-9.0 ECLASS-9.1 ECLASS-10.0.1 ECLASS-11.0	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0 ECLASS-8.1 ECLASS-9.0 ECLASS-9.1 ECLASS-10.0.1 ECLASS-11.0 ECLASS-11.0 ECLASS-11.0 ECLASS-11.0 ECLASS-12.0 ECLASS-13.0 ECLASS-14.0 ETIM-5.0	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27260313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0 ECLASS-8.1 ECLASS-9.0 ECLASS-9.1 ECLASS-10.0.1 ECLASS-11.0 ECLASS-11.1 ECLASS-11.1 ECLASS-12.0 ECLASS-13.0 ECLASS-14.0 ETIM-5.0 ETIM-6.0	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0 ECLASS-8.1 ECLASS-9.0 ECLASS-9.1 ECLASS-10.0.1 ECLASS-11.0 ECLASS-11.1 ECLASS-11.0 ECLASS-11.1 ECLASS-11.0 ETIM-5.0 ETIM-5.0 ETIM-7.0	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0 ECLASS-8.1 ECLASS-9.0 ECLASS-9.1 ECLASS-10.0.1 ECLASS-11.0 ECLASS-11.1 ECLASS-11.0 ECLASS-14.0 ECLASS-14.0 ETIM-5.0 ETIM-6.0 ETIM-8.0	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0 ECLASS-8.1 ECLASS-9.0 ECLASS-9.1 ECLASS-10.0.1 ECLASS-11.0 ECLASS-11.0 ECLASS-11.0 ECLASS-11.0 ECLASS-14.0 ETIM-5.0 ETIM-6.0 ETIM-8.0 EAN	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218 27279218 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0 ECLASS-8.1 ECLASS-9.0 ECLASS-9.1 ECLASS-10.0.1 ECLASS-11.0 ECLASS-11.0 ECLASS-11.0 ECLASS-11.0 ECLASS-14.0 ECLASS-17.0 ETIM-5.0 ETIM-5.0 ETIM-6.0 ETIM-7.0 ETIM-8.0 EAN Electrical data Supply	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060315 27060315 27060315 27060315 27060315 27060315 EC001855 EC001855 EC001855 EC001855 EC001855
Commercial data URL Webshop GTIN ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-7.1 ECLASS-8.0 ECLASS-8.1 ECLASS-9.0 ECLASS-9.1 ECLASS-10.0.1 ECLASS-11.0 ECLASS-11.0 ECLASS-11.0 ECLASS-11.0 ECLASS-14.0 ETIM-5.0 ETIM-6.0 ETIM-8.0 EAN	https://shop.murrelektronik.com/7000-40701-2130300 4048879157810 27279218 27279218 27279218 27279218 27279218 27279218 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313 27060313



stay connected

Status indication LED no Device protection Electrical	Current operating per contact max.	4 A
Device protection Electrical Additional condition protection degree 3 Rated surge voltage 2.5 kV	Diagnostics	
Additional condition protection degree inserted, screwed Pollution Degree 3 Faced surge votage 2.5 kV Material group (EC 00064.1) I Mechanical data (Material data Material data Material acrow connection 2 mickel plated 1.0 ctoing material 2 mickel plated 2.0 ctoing of the mickel plated 3.0 ctoing material 2 mickel 2 mickel 3.0 ctoing material 3 mickel 3 m	Status indication LED	no
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge votage 2.5 kV Material group (IEC 60664.1) I Mechanical data Material data Material screward (IEC 60664.1) I Mechanical data Material data Material screward (IEC 60664.1) I Mechanical data Mounting data (IEC 60664.1) I Material gasket FKM Mechanical data Mounting data Material gasket FKM Mechanical data Mounting data (IEC 60664.1) I Mechanical Condition temperature map (IEC 60664.1) I Mechanical Condition (IEC 60664.1) I Mechanical Condit Condition (IEC 60664.1) I Mechanical Condition (IEC 60664.1) I	Device protection Electrical	
Pollution Degree 3 Rated surge voltage 25 kV Material group (IEC 60664-1) 1 Nechanical data Material data Material screw connection Zinc de-casting Coating of fitting nickel plated Locking material Zinc de-casting Coating forking Nickel Material screw connection Nickel plated Locking material Zinc de-casting Coating Okhing Nickel Material gasket FKM Nechanical data Mounting data Munting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. 30 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Froduct standard DIN EN 81076-2-101 (M12) Installation Cable Cable Type 1 1 Amount stranding 1 Amount stranding 1 Amount stranding 1 Stranding Wires Wires Wires Wires arrangement Drown, black, blue Cable weigh 34.1 g/m Material wire insulation 12.5 mm Outer diameter insulation 12.5 mm Atterial properties were insulation 12.5 mm Outer diameter insulation 12.5 mm Outer diameter insulation 12.5 mm Atterial properties were insulation 12.5 mm Outer diameter insulation 12.5 mm Atterial product general (when the proper	•	incorted screwed
Rated surge voltage 2.5 kV Material group (IEC 60804.1) 1 Mechanical at Meterial state Mechanical stal Meterial state Meterial screw connection Zinc dis-casting Coating of fitting nickel plated Coating of fitting nickel plated Coating of fitting nickel plated Coating looking Nickeled Material gasket FKM Mechanical datal Mounting data Mounting method insertied, screwed, Shaking protection Environmental characteristics Cimatic Coperating temperature min 3.0 °C Operating temperature min 4.0 °C Operating temperature max 85 °C Additional condition temperature reape depending on cable quality Mounting method Attention Coserve the permissible bunding radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on bending radius Attention: Observe the permissible bunding radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protection temperature the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Conformity Product standard DIN EN 61076-2-101 (M12) Installation (Cable Cable Type 1 Ca	<u> </u>	·
Material group (IEC 60664.1) I Mechanical data! Material data Mechanical data! Material data Material screw connection Zinc die-casting Coating of fitting nickel plated Locking material Zinc die-casting Coating lossing Nickeled Material gasket FKM Mechanical data! Mounting data Michanical data! Mounting data Mounting method inserted, screwed. Shaking protection Environmental characteristics Climatic Coperating temperature max. Operating temperature max. 65 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be antiagered by excessive bending forces. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be antiagered by excessive bending forces. Note on strain relief Product standard DIN EN 61076-2-101 (MI2) Installation Cable 213 Cable interfaction View of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Cable identification Cable		
Material screw connection Zinc die-casting Coating of Itiling nickel plated Locking material Zinc die-casting Casting locking Nickeled Material gasket FKM Mechanical datal Mounting data Inserted, screwed, Shaking protection Environmental characteristics Climatic Coperating temperature min. Operating temperature min. -30 °C Operating temperature min. -30 °C Additional condition temperature range depending on cable quality Important installation notes *** Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending troos. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Conformity Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Cable identification Cable Installation Cable Cable identification Cable 213 Cable identification Signal Cable Ca		
Material screw connection Zinc die-casting nickel plated Casting of fitting nickel plated Casting of fitting Nickeled Material gasket FKM Nickeled Material gasket FKM Nechanical data Mounting deeperdate members Mounting deeperdate members Mounting deeperdate members Mounting deeperdate members Mounting data Mounting data		'
Coating of fitting nickel plated Locking material Zinc de-casting Coating locking Nickeled Material gasket FKM Mechanical data [Mounting data Inserted, screwed, Shaking protection Environmental characteristics Climatic Coperating temperature min. -30 °C Operating temperature max. 85 °C Actional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by oxossive bending forces. Note on brain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Installation [Cable [Cable 1]] Cable identification 213 Cable identification [Cable [Cable 2]] 1 Stranding 1 Stranding 1 Stranding 1 Wire a rangement brown, black, blue Cable weight 34.1 g/m Material wire insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter relation (conditions wire insulation	·	
Locking material Zinc die-casting Coating locking Nickoled Material gasket FKM Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Environmental characteristics Climatic Operating temperature min. 30 °C Operating temperature min. 35 °C Additional condition temperature range depending on cable quality Important installation notes Note on bending radius Attentions: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable Cable dentification 213 Amount stranding 1 Amount stranding 1 Wire arrangement brown, black, blue Cable weight 34.1 g/m Material wire insulation PVC Amount wires 3 Actuar diameter insulation PVC Amount wires 1 Amount wires 3 Cuter diameter insulation 1,25 mm Outer diameter insulation 2,05 mm Material properties were insulation 45 Material properties were insulation 5,05 mm Material properties were insulation 6,05 mm Diameter of single wires 0,15 mm Conductor roressection (wire) 0,34 mm² Material good or single wires 0,15 mm Conductor roressection (wire) 0,34 mm² Material good or single wires 0,15 mm Conductor roressection (wire) 0,34 mm² Material good or single wires 0,15 mm Conductor roressection (wire) 0,34 mm² Material properties were insulation 5,45 mm Material properties were insulation 6,45 mm Conductor roressection (wire) 0,34 mm² Material properties were insulation 6,45 mm Conductor roressection (wire) 0,45 mm² Tolerance outer diameter (packet) 4,6 mm Tolerance outer diameter (packet) 4,6 mm Tolerance outer diameter (packet) 4,6 mm		-
Coating locking Nickeled Material gasket FKM Mechanical datal Mounting data FKM Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Coperating temperature min. -30 ℃ Operating temperature many. 85 ℃ Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Conformity Froduct standard Installation Cable Cable identification 213 Cable identification 213 Cable identification 213 Virial rangement brown, black, blue Cable weigh 34.1 g/m Material wire insulation PVC Amount wires 3 Outer diameter folerance core insulation<		· · · · · · · · · · · · · · · · · · ·
Material gasket FKM Mechanical data [Mounting data] Inserted, screwed, Shaking protection Environmental characteristics Climatic Coperating temperature min. .30 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Froduct standard DIN EN 61076-2-101 (M12) Installation Cable 213 Cable identification 213 Cable intentification 213 Cable intentification 213 Stranding Wres Wire arrangement brown, black, blue Cable weighth 34.1 g/m Material wire insulation 1.25 mm Outer diameter tolerance core insulation 2.0.5 mm Note administry wire insulation GPC-free, cadmium-free, silicone-free, lead-free Material properties wire insulation GPC-free, cadmium-free, silicone-free, lead-free<		
Mechanical data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. 30 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Endangered by excessive bending forces. Product standard DIN EN 61076-2-101 (M12) Installation (Cable 213 Cable identification 213 Cable installation (Cable) 1 Stranding 1 Wires Wires Wires Wires Wire arrangement brown, black, blue Cable weight 34.1 g/m Material properties insulation 1.25 mm Outer diameter insulatio	Coating locking	
Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. Operating temperature max. 85 °C Additional condition temperature max depending on cable quality Important installation notes Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable Cable identification 213 Cable Type 1 Amount stranding 1 Stranding Wires Wire arrangement brown, black, blue Cable weigh 34.1 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation good machinability Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation GCFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor type (wire) Strand class 5 Outer diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket Shore hardness jacket 85	Material gasket	FKM
Environmental characteristics Climatic Operating temperature min30 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable Cable identification 213 Cable Type 1 Amount stranding 1 Stranding Wires Wire arrangement brown, black, blue Cable weight 34.1 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation 5 to 5 mm Shore hardness wire insulation 45 Material properties wire insulation GPC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm Material conductor wire Strand class 5 Outer diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material potentia giacket PVC Shore hardness jacket 9PC	Mechanical data Mounting data	
Operating temperature min.	Mounting method	inserted, screwed, Shaking protection
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable Cable Identification 213 Cable Type 1 Amount stranding 1 Stranding Wires Wires arrangement brown, black, blue Cable weigth 34.1 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1 Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation CFC-tree, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor virey (wire) Strand class 5 Outer diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material protections in the strands in the strands in the strands control of the strands in the strands control wire in the	Environmental characteristics Climatic	
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable Cable Identification 213 Cable Type 1 Amount stranding 1 Stranding Wires Wires arrangement brown, black, blue Cable weigth 34.1 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1 Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation CFC-tree, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor virey (wire) Strand class 5 Outer diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material protections in the strands in the strands in the strands control of the strands in the strands control wire in the	Operating temperature min.	-30 °C
Additional condition temperature range important installation notes Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Contormity Product standard DIN EN 61076-2-101 (M12) Installation Cable Cable identification 213 Cable Type 1 Amount stranding 1 Stranding Wires Wire arrangement brown, black, blue Cable weight 34.1 g/m Material wrie insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter rolerance core insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material product wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material packet PVC Shore hardness jacket 85	<u> </u>	
Important installation notes Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable Cable identification 213 Cable identification 213 Cable identification 2 (and the product of the produ		depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable Cable identification 213 Cable Type 1 Amount stranding 1 Stranding Wires Wires Wire arrangement brown, black, blue Cable weigth 34.1 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter or insulation 45 Material properties wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Material conductor wire Stranded copper wire, bare Conductor crosssection (wire) Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85		copenially on outro quality
endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable Cable identification 213 Cable Type 1 Amount stranding 1 Stranding Wires Wires Wire arrangement brown, black, blue Cable weigth 34.1 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter or insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Material conductor wire Stranded copper wire, bare Conductor rosssection (wire) Stranded copper wire, bare Conductor rosssection (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material poket Material jacket PVC Shore hardness jacket 85	important installation notes	Attention. Charge the neuriscite heading and in when leving solding as the ID against a long son he
Product standard DIN EN 61076-2-101 (M12) Installation Cable Cable identification 213 Cable Type 1 Amount stranding 1 Stranding Wires Wire arrangement brown, black, blue Cable weight 34.1 g/m Material wire insulation PVC Amount wires 3 Outer diameter tolerance core insulation 45 Material properties wire insulation 45 Material properties wire insulation 45 Material properties wire insulation 45 Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Outer diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85	Note on bending radius	
Product standard	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Cable identification 213 Cable Type 1 Amount stranding 1 Stranding Wires Wire arrangement brown, black, blue Cable weigth 34.1 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter rolerance core insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor unive Greatenth 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85	Conformity	
Cable Type 1 Amount stranding 1 Stranding Wires Wire arrangement brown, black, blue Cable weight 34.1 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded capser wire, bare Conductor type (wire) Stranded capser wire, bare Underwind Stranded copper wire, bare Conductor type (wire) Stranded capser Stranded capser Stranded capser Conductor type (wire) Stranded capser Strande	Product standard	DIN EN 61076-2-101 (M12)
Cable Type 1 Amount stranding 1 Stranding Wires Wire arrangement brown, black, blue Cable weigth 34.1 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85	Installation Cable	
Amount stranding 1 Stranding Wires Wire arrangement brown, black, blue Cable weigth 34.1 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85	Cable identification	213
Amount stranding 1 Stranding Wires Wire arrangement brown, black, blue Cable weigth 34.1 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded capper wire, bare Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85	Cable Type	
Wire arrangement brown, black, blue Cable weigth 34.1 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85	Amount stranding	1
Cable weigth 34.1 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85	Stranding	Wires
Cable weigth 34.1 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85	Wire arrangement	brown, black, blue
Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85	Cable weigth	34.1 g/m
Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85		
Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85	Amount wires	3
Shore hardness wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85	Outer diameter insulation	1.25 mm
Shore hardness wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85	Outer diameter tolerance core insulation	± 0.05 mm
Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85	Shore hardness wire insulation	
Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85	Material properties wire insulation	
Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85		
Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85	Amount strands (wire)	19
Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85		0.15 mm
Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85		0.34 mm ²
Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85		
Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85	Conductor type (wire)	
Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85		4.6 mm
Material jacket PVC Shore hardness jacket 85		
Shore hardness jacket 85	. , ,	
·		
Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Freedom from ingredients (jacket)	
Material property (jacket) good machinability		



Conductor resistance (wire)	57 Ω/km @ 20 °C
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	2 kV @ 60 s
Withstand voltage (wire - jacket)	2 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	UL 1581 § 1080, CSA FT1, IEC 60332-1-2
Oil resistance	good
Chemical resistance	good
Other resistances	good resistance to gasoline
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter